

IN THE CLAIMS:

Please amend Claims 69-91 as indicated below. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

1. - 68. (canceled).

69. (currently amended): An information processing apparatus for controlling via a communication medium a peripheral that processes a job, which executes a predetermined service, the apparatus comprising:

an obtaining unit adapted to obtain, via the communication medium, function information indicating plural values executable by the peripheral;

a display unit adapted to display a user interface provided in a control program for controlling the peripheral based on the function information obtained by the obtaining unit;

a first discrimination unit adapted to discriminate whether the peripheral supports a function of reading and processing data using reference pointers;

an issuance unit adapted to issue a job provided with (i) plural setting values set via the user interface displayed by the display unit, the plural setting values including a value of a first attribute and a value of a second attribute different from the first attribute, and (ii) a reference pointer indicating a reference to data to be processed using the plural setting values, when the first discrimination unit discriminates that the peripheral supports the function of reading and processing data using reference pointers; [[and]]

an inhibition unit adapted to, if the plural setting values of the job are determined not to satisfy a predetermined condition related to the plural values indicated by the function information obtained by the obtaining unit, inhibit issuance of the job by the issuance unit; and a transmission unit adapted to transmit the job, provided with the plural setting values and the reference pointer, issued by the issuance unit to the peripheral directly via the communication medium,

wherein, if setting of the value of the first attribute inhibits setting of the value of the second attribute, the inhibition unit determines that the job does not satisfy the predetermined condition ~~provided with~~ related to the plural setting values ~~including the values of the first and second attributes,~~ and

wherein the issuance unit issues the job provided with the reference pointer indicating the reference to data in an external apparatus, without downloading the data to the information processing apparatus.

70. (currently amended): [[An]] The information processing apparatus according to Claim 69, wherein the function information obtained by the obtaining unit includes information indicating a job attribute range executable by the peripheral, and wherein the display unit distinguishably displays the job attribute range on the user interface.

71. (currently amended): [[An]] The information processing apparatus according to Claim 69, wherein the obtaining unit obtains information indicating a function setting range executable by the peripheral.

72. (currently amended): [[An]] The information processing apparatus according to Claim 71, further comprising:

a determination unit adapted to determine whether an inhibition attribute is set for the job; and

a second discrimination unit adapted to discriminate whether a combination of attributes set for the job is inhibited, if the determination unit determines that an inhibition attribute is set for the job,

wherein the inhibition unit inhibits issuance of the job by the issuance unit, if the second discrimination unit discriminates that [[a]] the combination of attributes set for the job is inhibited.

73. (currently amended): [[An]] The information processing apparatus according to Claim 69, wherein the obtaining unit obtains information indicating a function selectable in the peripheral.

74. (currently amended): [[An]] The information processing apparatus according to Claim 69, wherein the obtaining unit obtains from the peripheral an attribute list indicating functions of the peripheral, and obtains a value of an attribute by designating an ID of the attribute in the attribute list.

75. (currently amended): [[An]] The information processing apparatus according to Claim 69, wherein the obtaining unit obtains from the peripheral an attribute list indicating functions corresponding to one of a physical device control program, a logical device control

program, a resource control program of the peripheral, and a coordinate control program for coordination thereof.

76. (currently amended): [[An]] The information processing apparatus according to Claim 75, wherein the physical device control program includes at least one of a scanner control program that controls a scanner engine of the peripheral, a laser beam printer control program that controls a laser beam printer engine of the peripheral, and an ink jet printer control program that controls an ink jet printer engine of the peripheral.

77. (currently amended): [[An]] The information processing apparatus according to Claim 75, wherein the logical device control program includes at least one of a print job control program that controls a laser beam printer control program, a print job control program that controls an ink jet printer control program, a print job control program that controls the laser beam printer control program and the ink jet printer control program, a scan job control program that controls a scanner control program, a copy job control program that controls the scanner control program and the laser beam printer control program, and a copy job control program that controls the scanner control program and the ink jet printer control program.

78. (currently amended): [[An]] The information processing apparatus according to Claim 69, wherein the obtaining unit obtains the function information from the peripheral.

79. (currently amended): An information processing method for controlling via a communication medium a peripheral that processes a job which executes a predetermined service, the method comprising:

an obtaining step of obtaining, via the communication medium, function information indicating plural values executable by the peripheral;

a displaying step of displaying a user interface provided in a control program for controlling the peripheral based on the function information obtained in the obtaining step;

a first discrimination step of discriminating whether the peripheral supports a function of reading and processing data using reference pointers;

an issuance step of issuing a job provided with (i) plural setting values set via the user interface displayed by a display unit, the plural setting values including a value of a first attribute and a value of a second attribute different from the first attribute, and (ii) a reference pointer indicating a reference to data to be processed using the plural setting values, when a discrimination is made in the first discrimination step that the peripheral supports the function of reading and processing data using reference pointers; [[and]]

an inhibition step of, if the plural setting values of the job are determined not to satisfy a predetermined condition related to the plural values indicated by the function information obtained in the obtaining step, inhibiting issuance of the job in the issuance step; and

transmitting the job, provided with the plural setting values and the reference pointer, issued in the issuance step to the peripheral directly via the communication medium,

wherein, if setting of the value of the first attribute inhibits setting of the value of the second attribute, the inhibiting step includes determining that the job does not satisfy the

predetermined condition ~~provided with~~ related to the plural setting values ~~including the values of the first and second attributes,~~

wherein the job issued in the issuance step is provided with the reference pointer indicating the reference to data in an external apparatus, without downloading the data to the information processing apparatus, and

wherein at least one of the above steps is performed by a computer processor.

80. (currently amended): [[An]] The information processing method according to Claim 79, wherein the function information obtained in the obtaining step includes information indicating a job attribute range executable by the peripheral, and wherein the method distinguishably displays on a display unit the job attribute range on the user interface.

81. (currently amended): [[An]] The information processing method according to Claim 79, wherein the obtaining step includes obtaining information indicating a function setting range executable by the peripheral.

82. (currently amended): [[An]] The information processing method according to Claim 81, further comprising:

a determination step of determining whether an inhibition attribute is set for the job; and

a second discrimination step of discriminating whether a combination of attributes set for the job is inhibited, ~~if the determination step determines that~~ an inhibition attribute is determined to be set for the job in the determination step,

wherein the inhibition step inhibits issuance of the job by the issuance unit, if ~~the discrimination step discriminates that a~~ the combination of attributes set for the job is determined to be inhibited in the second discrimination step.

83. (currently amended): [[An]] The information processing method according to Claim 79, wherein the obtaining step includes obtaining information indicating a function selectable in the peripheral.

84. (currently amended): [[An]] The information processing method according to Claim 79, wherein the obtaining step includes obtaining from the peripheral an attribute list indicating functions of the peripheral, and obtaining a value of an attribute by designating an ID of the attribute in the attribute list.

85. (currently amended): [[An]] The An information processing method according to Claim 79, wherein the obtaining step includes obtaining from the peripheral an attribute list indicating functions corresponding to one of a physical device control program, a logical device control program, a resource control program of the peripheral, and a coordinate control program for coordination thereof.

86. (currently amended): [[An]] The An information processing method according to Claim 85, wherein the physical device control program includes at least one of a scanner control program that controls a scanner engine of the peripheral, a laser beam printer

control program that controls a laser beam printer engine of the peripheral, and an ink jet printer control program that controls an ink jet printer engine of the peripheral.

87. (currently amended): [[An]] The information processing method according to Claim 85, wherein the logical device control program includes at least one of a print job control program that controls a laser beam printer control program, a print job control program that controls an ink jet printer control program, a print job control program that controls the laser beam printer control program and the ink jet printer control program, a scan job control program that controls a scanner control program, a copy job control program that controls the scanner control program and the laser beam printer control program, and a copy job control program that controls the scanner control program and the ink jet printer control program.

88. (currently amended): [[An]] The information processing method according to Claim 79, wherein the obtaining step includes obtaining the function information from the peripheral.

89. (currently amended): A non-transitory computer-readable storage medium, storing, in executable form, a program for causing an information processing apparatus to control via a communication medium a peripheral that processes a job, which executes a predetermined service, the program comprising:

obtaining code for obtaining, via the communication medium, function information indicating plural values executable by the peripheral;



displaying code for displaying a user interface provided in a control program for controlling the peripheral based on the function information obtained by the obtaining code;

discrimination code for discriminating whether the peripheral supports a function of reading and processing data using reference pointers;

issuance code for issuing a job provided with (i) plural setting values set via the user interface displayed by a display unit, the plural setting values including a first value of a first attribute and a second value of a second attribute different from the first attribute, and (ii) a reference pointer indicating a reference to data to be processed using the plural setting values, when the discrimination code discriminates that the peripheral supports the function of reading and processing data using reference pointers; [[and]]

inhibiting code for, if the plural setting values of the job are determined not to satisfy a predetermined condition related to the plural values indicated by the function information obtained in accordance with the obtaining code, inhibiting issuance of the job by the issuance code; and

transmission code for transmitting the job, provided with the plural setting values and the reference pointer, issued by the issuance code to the peripheral directly via the communication medium,

wherein, if setting of the value of the first attribute inhibits setting of the value of the second attribute, the inhibiting code ~~determining~~ determines that the job does not satisfy the predetermined condition ~~provided with~~ related to the plural setting values ~~including the values of the first and second attributes,~~

wherein the job issued by the issuance code is provided with the reference pointer indicating the reference to data in an external apparatus, without downloading the data to the information processing apparatus.

90. (currently amended): [[An]] The information processing apparatus according to claim 69, wherein the value of the first attribute is related to a number of print sheets and the value of the second attribute is related to a finisher device of the peripheral, and wherein the inhibition unit inhibits issuance of the job if the value of the first attribute exceeds a predetermined value.

91. (currently amended): [[An]] The information processing method according to claim 79, wherein the setting values of a job include a setting value as to a number of print sheets and a setting value as to a finisher device of the peripheral, and wherein the ~~inhibiting step inhibits issuance of the job~~ is inhibited in the inhibiting step if the setting value as to the number of print sheets exceeds a predetermined value.

92. - 94. (canceled).